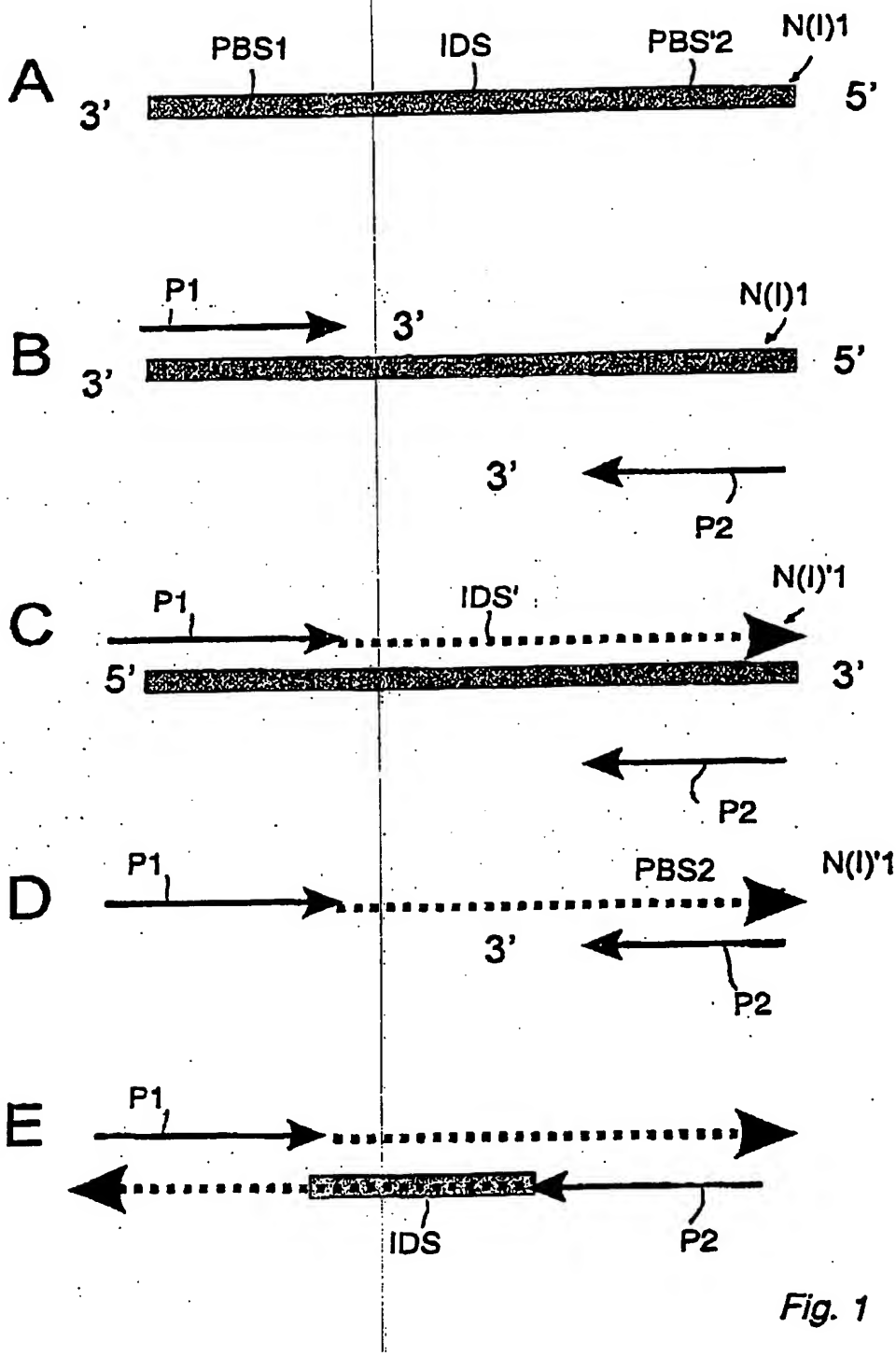

A
PBS1
IDS
PBS'2
N(I)1
3'
5'
B
P1
3'
N(I)1
3'
5'
3'
P2
C
P1
IDS'
N(I)'1
5'
3'
P2
D
P1
PBS2
N(I)'1
3'
P2
E
P1
IDS
P2

Fig. 1

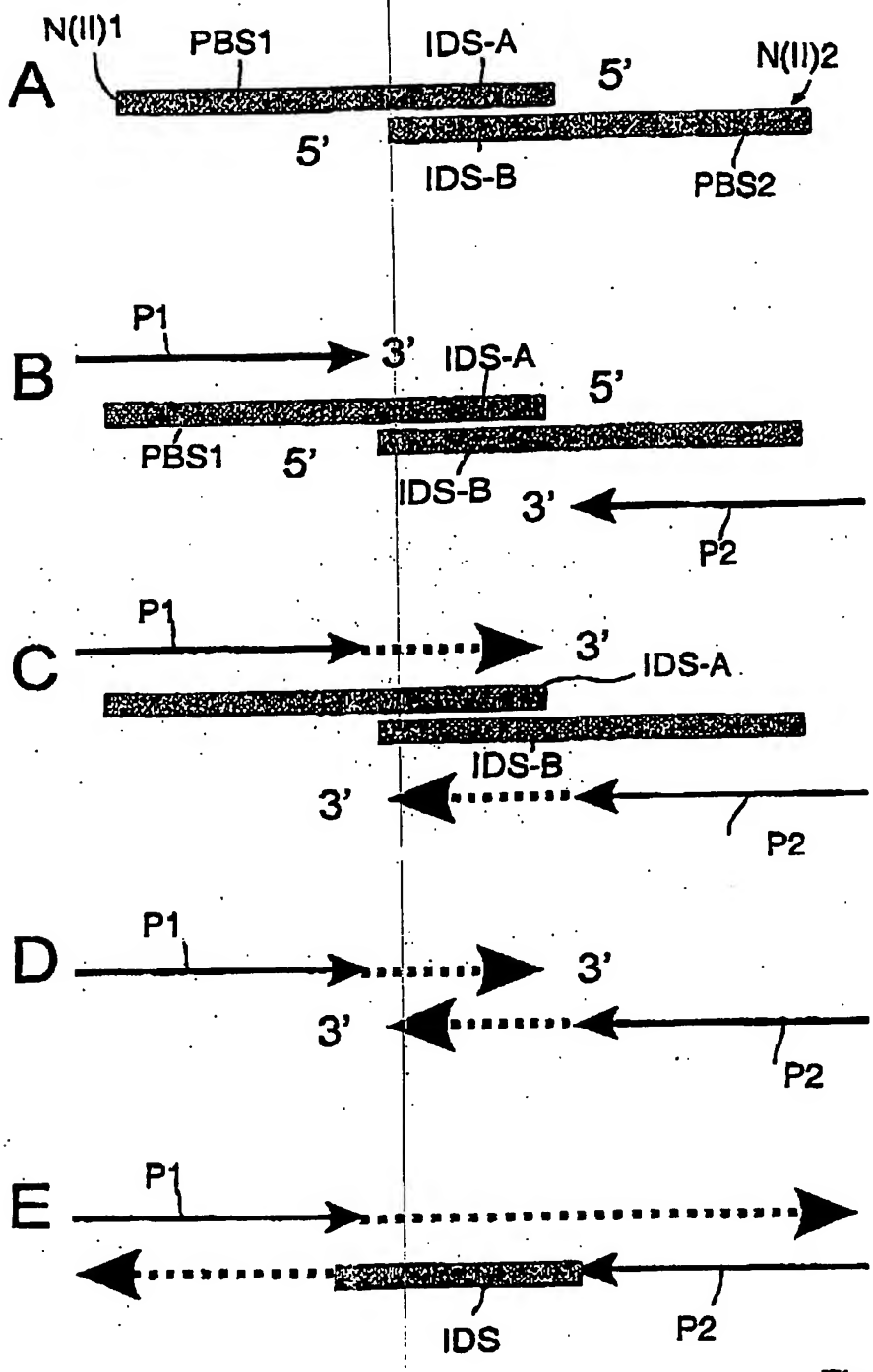

A
N(II)1
PBS1
IDS-A
5'
N(II)2
5'
IDS-B
PBS2
B
P1
3'
IDS-A
5'
PBS1
5'
IDS-B
3'
P2
C
P1
3'
IDS-A
IDS-B
3'
P2
D
P1
3'
3'
P2
E
P1
IDS
P2

Fig. 2

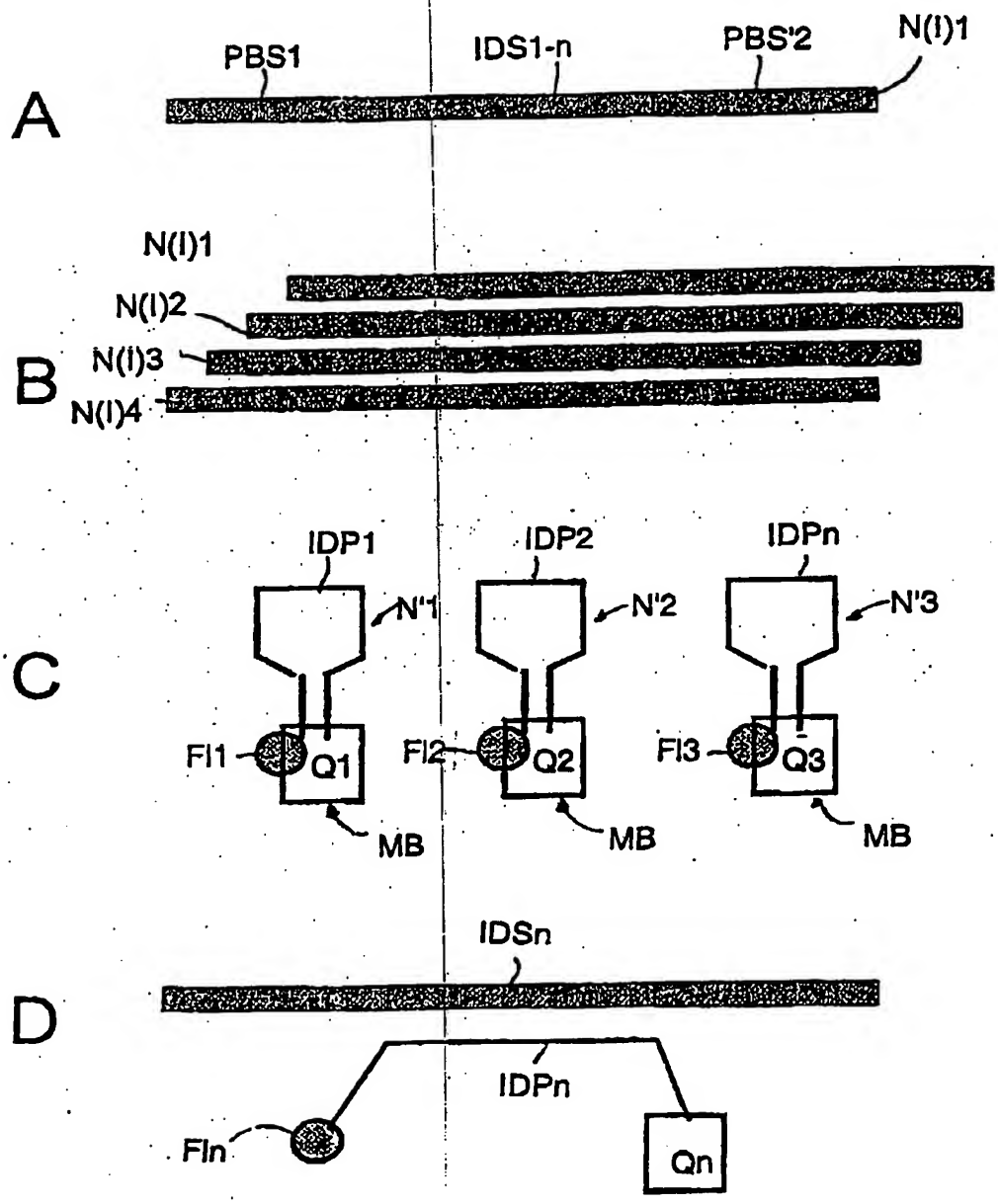

A
PBS1
IDS1-n
PBS'2
N(I)1
B
N(I)1
N(I)2
N(I)3
N(I)4
C
IDP1
IDP2
IDPn
N'1
N'2
N'3
FI1
Q1
FI2
Q2
FI3
Q3
MB
MB
MB
D
IDSn
IDPn
FIn
Qn

Fig. 3

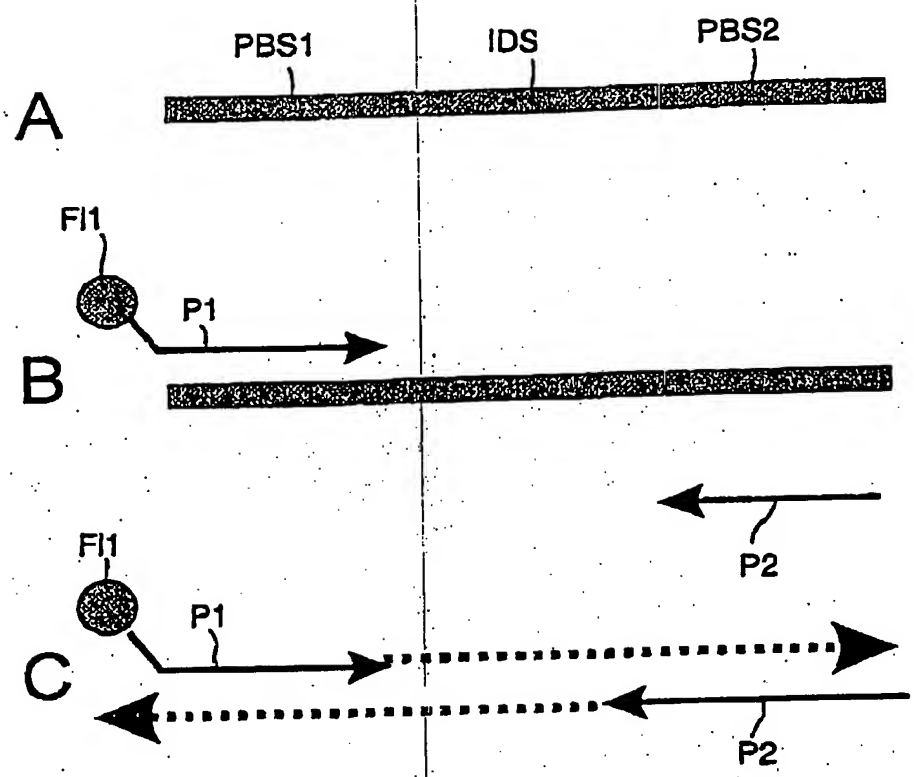


Fig. 4

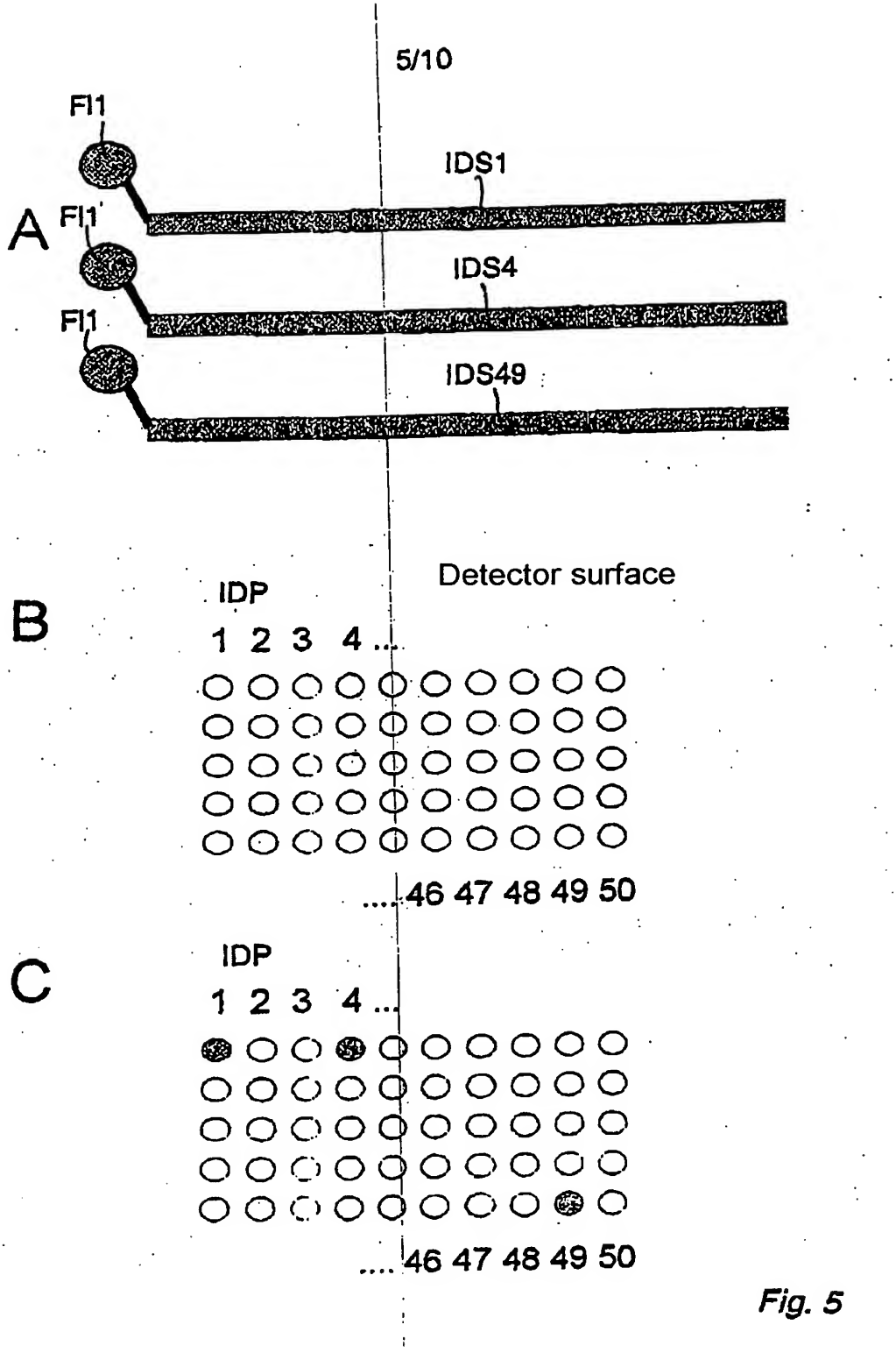
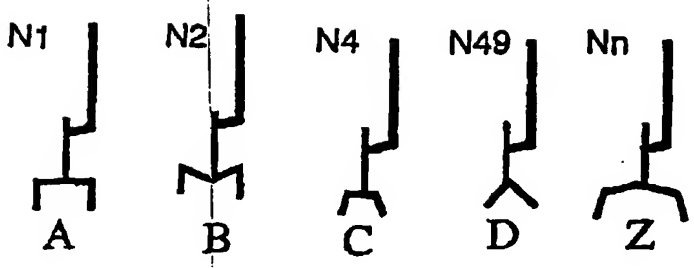
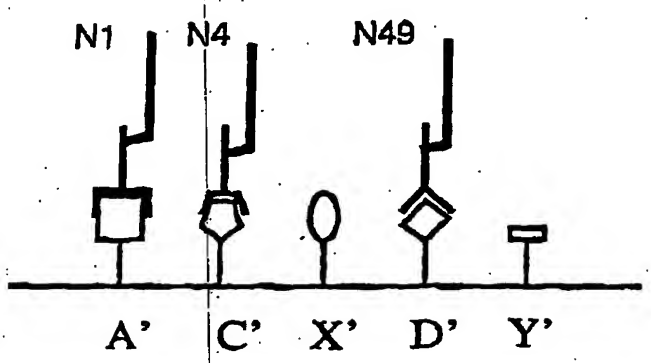

A
Fl1
IDS1
Fl1
IDS4
Fl1
IDS49
B
Detector surface
IDP
1 2 3 4 ...
.... 46 47 48 49 50
C
IDP
1 2 3 4 ...
.... 46 47 48 49 50

Fig. 5

A



B



C Amplification using labeled primers

D

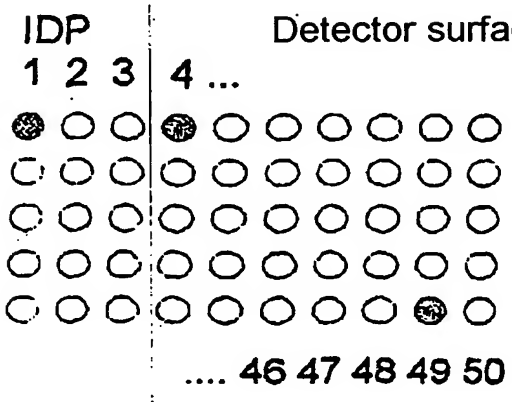


Fig. 6

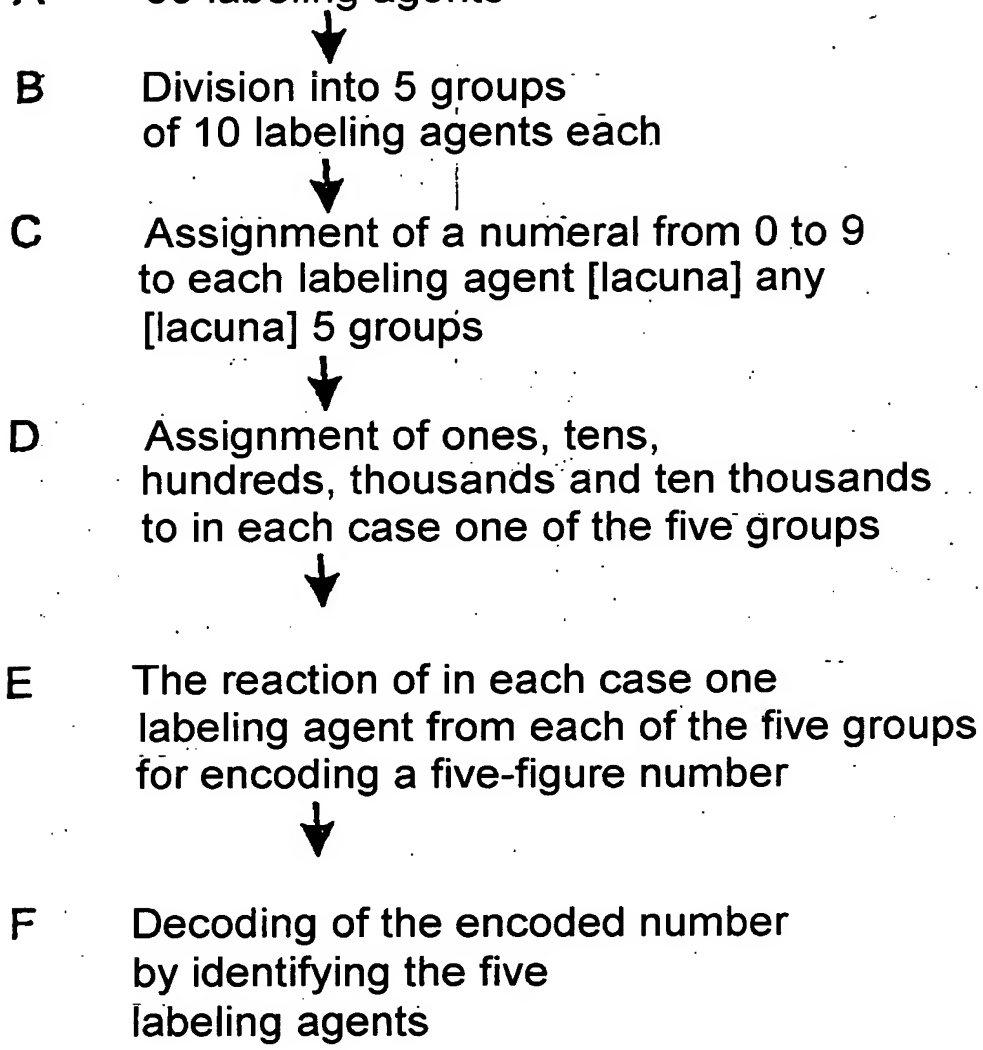

A
50 labeling agents
B
Division into 5 groups
of 10 labeling agents each
C
Assignment of a numeral from 0 to 9
to each labeling agent [lacuna] any
[lacuna] 5 groups
D
Assignment of ones, tens,
hundreds, thousands and ten thousands
to in each case one of the five groups
E
The reaction of in each case one
labeling agent from each of the five groups
for encoding a five-figure number
F
Decoding of the encoded number
by identifying the five
labeling agents

Fig. 7

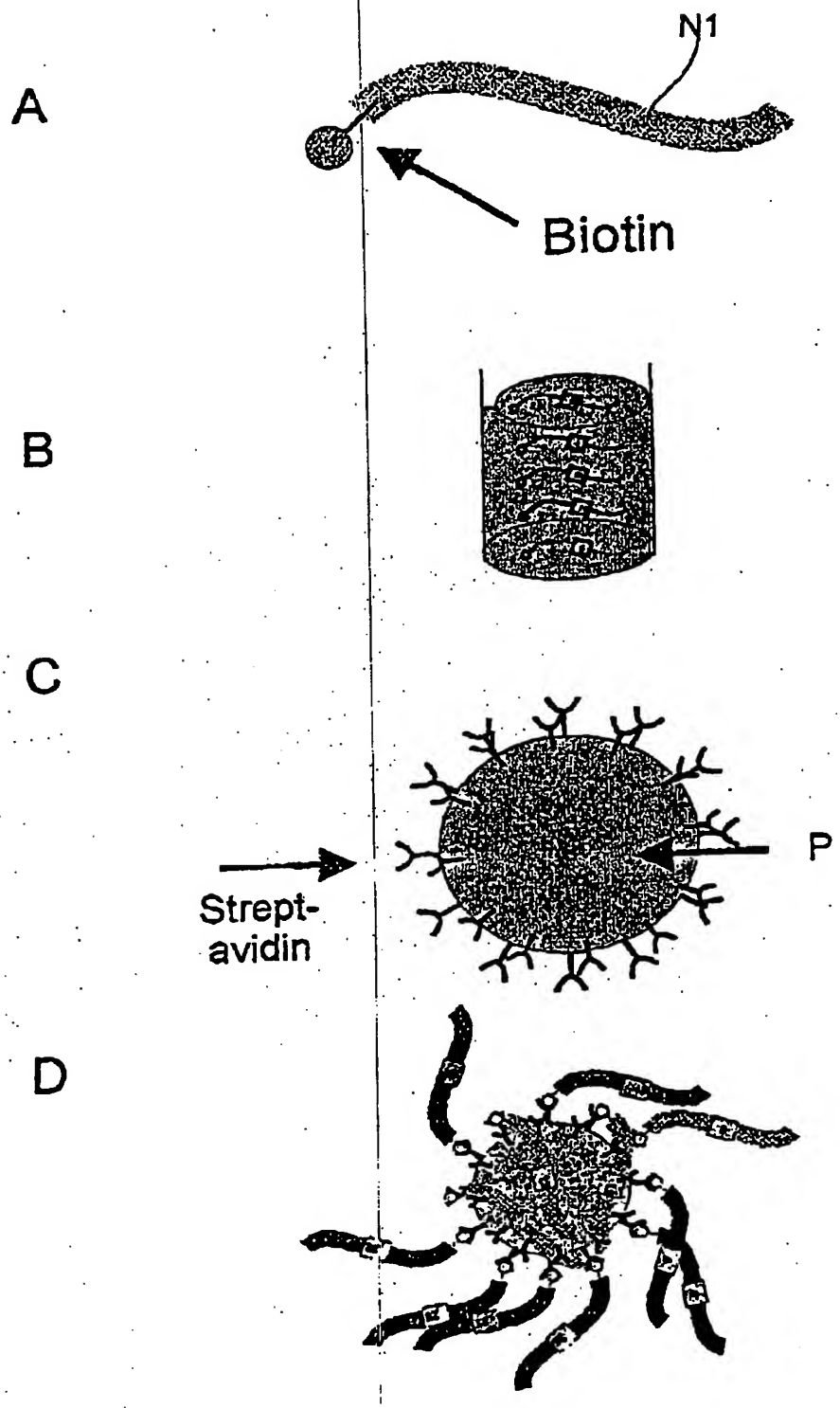


Fig. 8

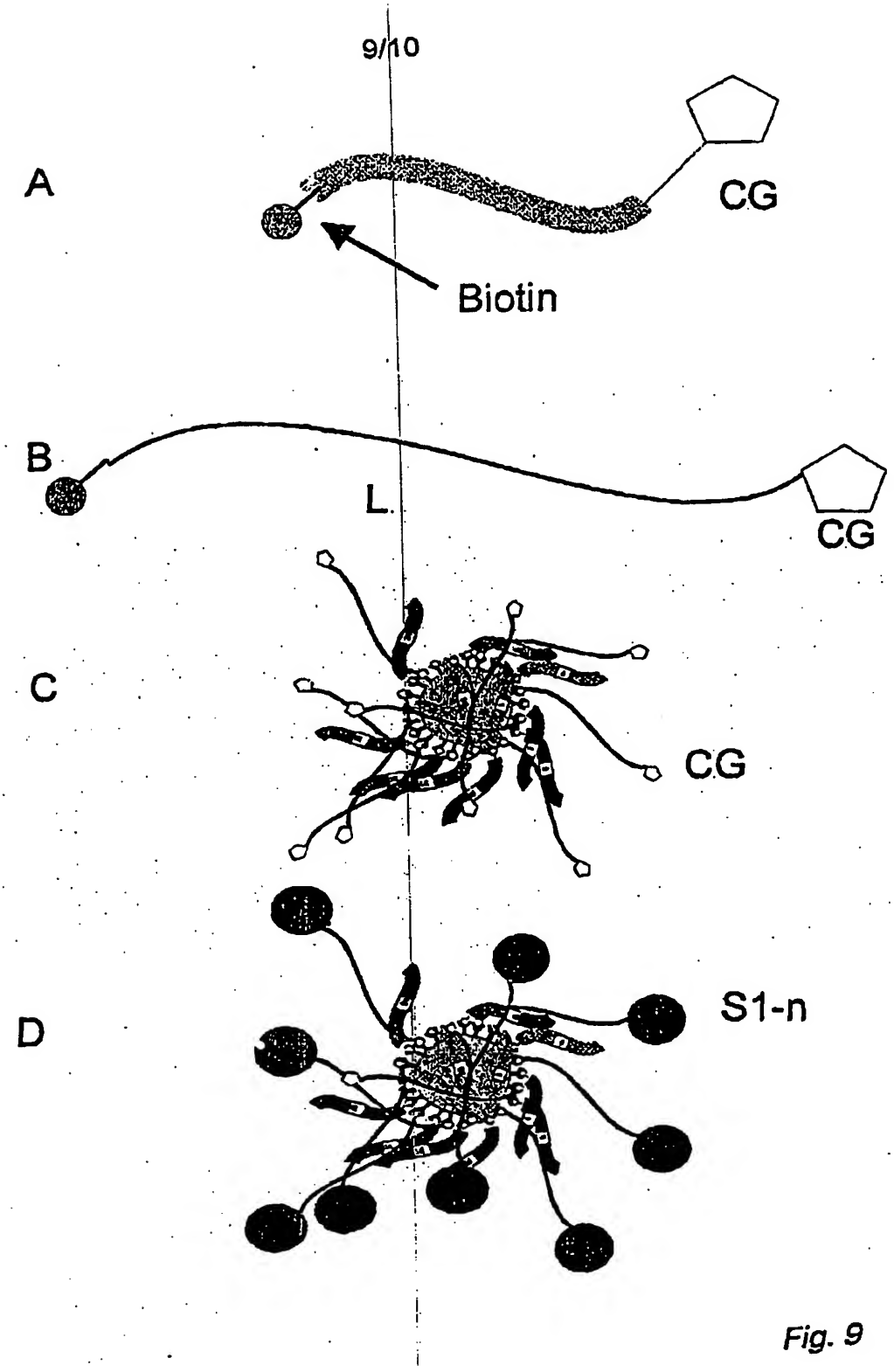


Fig. 9

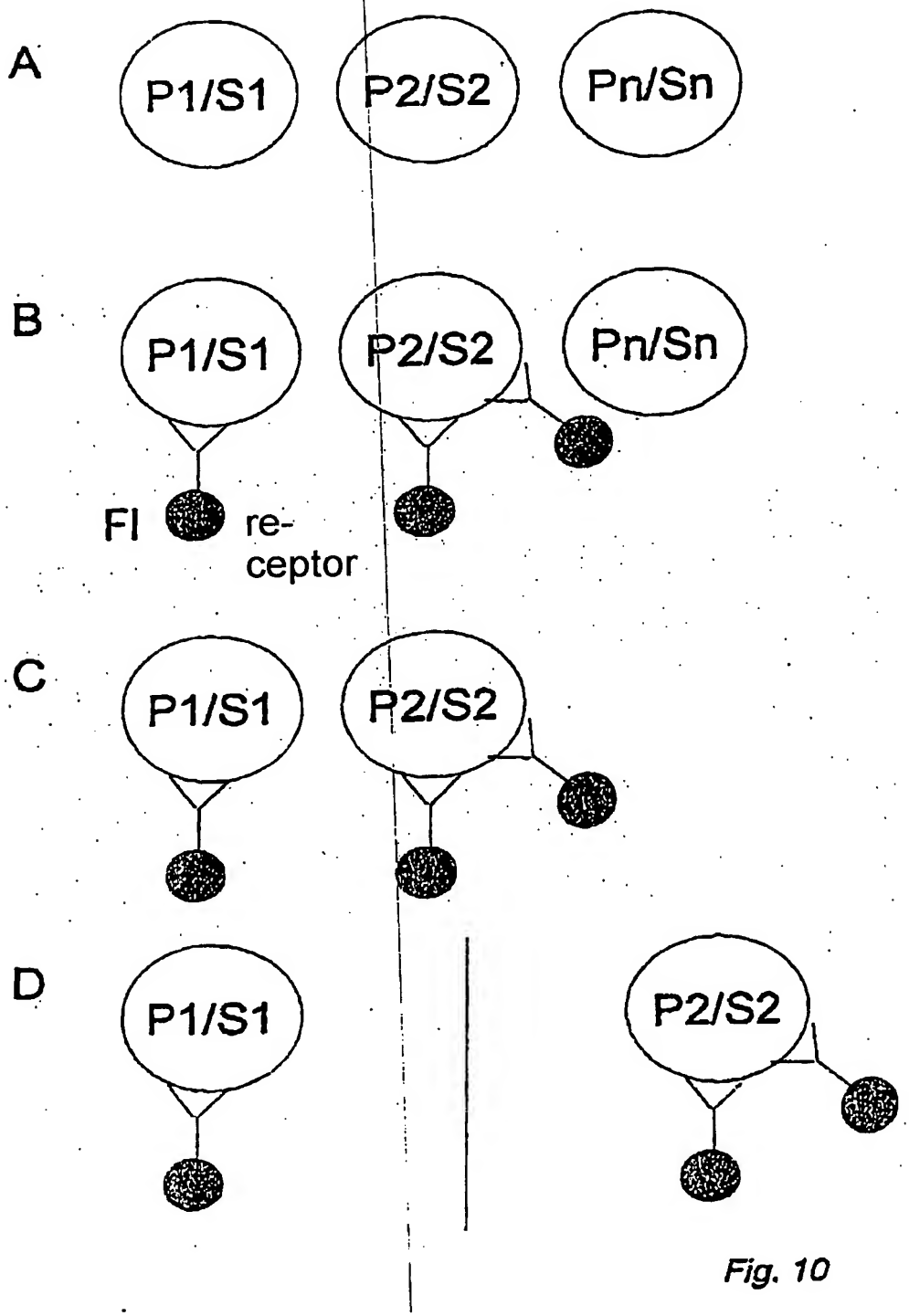

A
P1/S1
P2/S2
Pn/Sn
B
P1/S1
P2/S2
Pn/Sn
Fl
re-
ceptor
C
P1/S1
P2/S2
D
P1/S1
P2/S2

Fig. 10